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DEPARTMENT OF ECOLOGY
State of Washington

Section 2.2
Capital Budget Grant Request Form
Watershed Plan Implementation and Flow Achievement

Project Title: WRIA 55/57 Wetland Restoration/creation/storage Implementation Project

County: Spokane and Pend Oreille

WRIA: 55, Little Spokane River, and 57, Middle Spokane River

If more space is needed attach additional sheets

1. Applicant Information

Applicant name Ben Brattebo, Spokane County Utilities Division	**Phone no.** (509) 477-7521	**Fax no.** (509) 477-4715
Address 1026 W. Broadway Avenue		
City Spokane	**State** WA	**Zip code** 99260
Email address bbrattebo@spokanecounty.org		
Water right holder name (If applicable and if other than applicant) To be identified during grant implementation	**Phone Number** ( )	**Fax Number** ( )
Mailing address		
City	**State**	**Zip code**

2. Project Location

Project name WRIA 55/57 Wetland Restoration/creation/storage Implementation Project
Project location WRIA 55/57
Stream reach mile or location To be determined during grant implementation from sites now under investigation and prioritization

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3. Project Type and Description

(Check all that apply)

Conservation and/or infrastructure improvement (pumps and pipes)	X
Water storage feasibility study	X
Water exchange or water right acquisition	☐

Please describe your project in detail

This grant will provide funds to implement wetland restoration/creation/storage projects in WRIA 55/57. Work under this grant will implement wetland restoration/creation/storage projects currently being identified and soon-to-be prioritized in an on-going Ecology funded feasibility study.

The WRIA 55/57 WIT is currently conducting a watershed wide wetland restoration feasibility study (Ecology grant #G0800633). Preliminary results from that study have determined that in WRIA 55 and 57 approximately 21% of historic wetlands have been drained. Total area of that 21% is over 6,000 acres. Work under the grant has also identified 130 sites, totaling over 6,000 acres, as possible wetland restoration/creation/storage opportunities. Opportunity sites range in size from 650 acres down to single acre sites, with more than 10 sites larger than 100 acres. Additional analysis, to be completed before June 30, 2009, includes ranking of all 130 sites and detailed assessments of several of the most promising wetland restoration/creation/storage opportunities.

Funds from this grant application will be used to implement wetland restoration/creation/storage at one or more of the identified 130 opportunities. We assume this grant will focus toward one or more medium sized restoration projects that, depending upon available funding, can be expedited from the identification, land access, study, and planning phase, to full implementation. If multiple wetland restoration/creation /storage projects are most appropriate, then this grant may shift to implementation at more than one site.

1. Task One: Begin with a review of restoration/creation/storage opportunity sites identified in the current WRIA 55/57 study. Final determination of the wetland restoration/creation/storage project(s) to pursue for this project will be based on multiple factors, including: land area, water availability, previous studies, land owner interest, location in watershed, estimated opportunity for success, partner interests, and long term operations and maintenance. This task may include additional study of key factors needed for final project pursuit decision.

Current land owner type and level of interest will be an important factor for the final project pursuit decision. For example, preliminary results from the on-going feasibility study have found an area north of Newman Lake in WRIA 57 as a large (over 500 acres) wetland restoration opportunity area. Spokane County Parks and Recreation Department currently owns approximately 100 acres within that

opportunity area and has expressed interest in possible wetland restoration. Adjacent land owner interest could increase the project area and water storage and release opportunities. Others of the 130 wetland restoration opportunities may have similar public land ownership or private land owner interests increasing the land access arrangements we can leverage for this project.

2. Task Two: Develop, negotiate, and execute land access or easement/purchase arrangements. The project will pursue a range of land access arrangements by leveraging funds to maximize project benefit. Land access arrangements may include payment for conservation easements, restoration partnerships with willing land owners, restoration partnerships on already publicly owned land, partnerships with land developers seeking wetland mitigation credits, purchase through existing programs such as Conservation Futures or other government programs, and/or use of grant funds for land purchase.

Under task two, land access arrangements for a restoration/creation/storage project may involve water rights associated with the property, or necessary for successful implementation. Water right details will be determined during grant implementation.

3. Third Task: Develop site-specific wetland restoration/creation/storage designs and plans for the project site(s). This task will include application for permits necessary for project implementation. This task may include new and/or updates of such work as wetland delineations, engineering assessments, water storage engineering and estimates, public access planning, and study of possible wildlife benefits and water quantity and quality impacts. The final product of this task will be implementation designs and plans for wetland restoration/creation/storage.

4. Task Four: Implementation of those designs and plans for wetland restoration/creation/storage. Specific actions under this task may include site preparation and contouring, hydraulic changes, vegetation establishment, invasive weed controls, and wildlife habitat improvements. The outcome of this task will be a wetland area restored according to task three plans. Work under this grant may not reach final peak benefit during the funding period, but will be fully staged for success into the future.

Under tasks three and four, restoration planning and implementation may include financial and volunteer partnerships. For example, the Lands Council in Spokane is finalizing an agreement with Ecology under Columbia River flow enhancement grants to implement a beaver enhancement project in northeast Washington. A wetland restoration/creation project in WRIA 55/57 may provide an ideal location for release of beavers to improve restoration success. The Lands Council also has volunteer workers and plants available for use in wetland restoration projects. Additionally, organizations such as Ducks Unlimited, the Spokane County Conservation District, and regional water purveyors have expressed interest in partnering with this grant.

5. Task Five includes funding for grant/contractor management and for partnership development. Spokane County will develop and manage the grant. Much of the work under this grant will be conducted by consultants and contractors working for Spokane County. Spokane County will solicit and procure services based upon standard purchasing protocols. The purpose of the partnership development work will be to finalize agreements from the interested agencies and groups, lock-in additional funding sources, and increase project benefits. Additionally, a portion of funds for this task will be used for

Spokane County indirect costs in accordance with Ecology policy.

Please note that this project can proceed with less than full project funding. It is a high priority of the WRIA 55/57 WIT to maintain the momentum of the current watershed wide wetland restoration feasibility study (Ecology grant #G0800633) by implementing one or more of the identified opportunities. If less then full funding is granted, this project can proceed with and/or begin wetland restoration/creation/storage projects, even though task funding allocations may change.

Use this box to make any other comments regarding the project and water rights involved

Wetlands provide a wide range of environmental benefits including water storage, wildlife habitat, public recreation, water quality improvements, reduced peak stream flow events, and increased base stream base flow. Specifically, the WRIA 55/57 Watershed Plan (adopted January 31, 2006) states: *"...wetland ecosystems...provide significant storage that might enhance summer stream flow. Enhancing storage can be accomplished through natural means or human intervention."*

The WRIA 55/57 watershed plan includes the following recommendations for wetland system enhancements to delay winter and spring runoff, provide for a more natural hydrograph in the Middle Spokane River and the Little Spokane River, and increase summer stream flow:

- VI.A.01.a. Support the restoration, where feasible, of wetlands in areas where these features existed historically but have been drained.
- VI.A.01.b. Encourage the creation of new wetlands, where feasible, in upland areas and along stream corridors.
- VI.A.02.a. Continue site identification and feasibility analysis for use of surface runoff storage in existing lakes as means of augmenting base flow in the Little Spokane River
- VI.A.02.b. Continue site identification and feasibility analysis for use of surface runoff storage in new artificial lakes or ponds as means of augmenting base flow in the Little Spokane Watershed
- VI.A.02.c. Continue site identification and feasibility analysis for use of recharge and storage in aquifers as means of augmenting base flow in the Little Spokane Watershed.
- VI.A.02.d. Consider a public education program on the benefits and problems of beaver dams.
- VI.B.01.c. Continue site identification and feasibility analysis for use of recharge and storage in aquifers as means of augmenting base flow in the Middle Spokane Watershed
- VII.A.01.a. Support regulations that favor treatment and infiltration of stormwater as an alternative to collection, treatment and discharge to surface water.
- VII.A.01.c. Support the infiltration of stormwater through natural sumps into shallow aquifers.

Describe the project by task (statement of work)

- Task 1: Determine land and wetland opportunities to pursue for restoration/creation
  - i. Review wetland opportunity list
  - ii. Develop site decision criteria
  - iii. Additional study (if necessary)
  - iv. Finalize priority project(s) to pursue

- Task 2: Develop, negotiate, and execute land access or easement/purchase arrangements
  i. Develop required land arrangement with current land owner(s) to allow restoration
  ii. Finalize land arrangement through appropriate mechanism
  iii. Include project partnerships as appropriate to leverage grant funding
- Task 3: Develop a wetland restoration/creation/storage plan
  i. Develop and conduct studies and evaluations to collect data necessary for design and implementation
  ii. Apply for required permits
  iii. Develop project goals and objectives
  iv. Develop restoration/creation/storage plans according to the project goals and objectives
- Task 4: Implement wetland restoration/creation/storage plan
  i. Implement restoration/creation/storage plans
- Task 5: Grant and contractor management, including partnership development
  i. Develop, finalize, and execute a grant agreement with Ecology
  ii. Manage grant throughout funding period, including reporting requirements
  iii. Hire and manage consultants and contractors, as necessary, in compliance with applicable purchasing standards
  iv. Develop partnerships, funding mechanisms, and volunteer work with interested government agencies, organizations, or land owners

4. Project Budget

Project Budget

$1,000,000.00

Total budget by project task or by expenditure

- Task 1: Determine land and wetland opportunities to pursue for restoration/creation/storage
  i. $100,000.00
- Task 2: Develop, negotiate, and execute land access or easement/purchase arrangements
  i. $225,000.00
- Task 3: Develop a wetland restoration/creation/storage plan
  i. $275,000.00
- Task 4: Implement wetland restoration/creation/storage plan
  i. $325,000.00
- Task 5: Grant and contractor management, including partnership development
  i. $75,000.00
    1. Includes funds for Spokane County indirect costs

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5. Funding Source Information

Total project amount expected to be provided by sources other than this program (dollar total and percent of project budget)

None are specified at this time, but the project could include funding and volunteer partnerships with:
- Federal government
- Local governments
- Conservation districts
- Energy Utilities
- Drinking and wastewater utilities
- Lake or homeowner associations
- Land development companies, including possible use of wetland mitigations
- Non-governmental organizations such as the Lands Council and Ducks Unlimited

Identify sources and type of funding other than through this program grant. Include expected dates of participation. Include as an attachment; letters of commitment, offer letters, application approvals, etc.

Source and type of funding:

Amount:

Status:

Dates of participation:

Source and type of funding:

Amount:

Status:

Dates of participation:

Source and type of funding:

Amount:

Status:

Dates of participation:

Source and type of funding:

Amount:

Status:

Dates of participation:

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6. Instream Flow and other Instream Habitat Benefits

A. Water Right Information - Attach Water Right documents
(You may skip this section if this application is for Storage Feasibility Study funding)

Water right holder's name (if other than applicant) To be identified during grant implementation	Phone no: ( )	Fax no: ( )
Address		
City	State	Zip code
Complete legal description of the property attached to this water right:		
Water right number:		
Parcel number associated with this water right:		
Do you own the property proposed for this project? If not, please explain:		
If the grant applicant is not the water right holder, please explain the reason:		
Water source (Stream name).		

B. Water Usage

Has water been put to beneficial use in the past five years?

Yes ☐ No ☐ I don't know ☐ To be identified during grant implementation

Describe that use in terms of the specific beneficial use during that period:

(Please attach any available documents that verify that use during the last five years. Include aerial photographs, power company records, flow meter records, crop type records, NRCS documentation or FSA records)

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Has beneficial use of this water ceased for a period of five or more years during any period since 1967? Yes ☐ No ☐
Please describe the beneficial use for the water quantified under the water right discussed above. Describe the following: purpose (examples: domestic, irrigation, municipal); system type; if irrigation, describe crop type.
Quantify as nearly as possible current water use: Instantaneous rate (QI) of use: CFS Annual rate (QA) of use ACRE- FEET
Historic beneficial use quantity of the water right (highest of the last 5 years/ irrigation seasons in instantaneous and annual quantities) _____ CFS _____ ACRE-FEET
If irrigation, how many acres are irrigated under this water right?
Are there other water rights associated with this specific water right?
In order to process this pre-application ecology requires the following information (include for the previous five years; please attach copies of all documents and maps) • Power data (contact local power utility for pump records, etc.) • Historical crop type data (contact local FSA office) • Flow meter records (contact local power utility) • Aerial photos (contact local FSA office)

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C. Estimated Total Water Savings

Infrastructure projects: Estimate the water to be conserved through this project. Provide engineering or technical analysis to support this estimate.

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOT
QA (ACRE-FEET)													
QI (CFS)													

D. Additional Instream Benefits

Describe other instream benefits envisioned as a result of funding this project:
To be identified during grant implementation

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7. Resources currently committed to ensure long-term performance of the proposed project (operation and maintenance).

Who is responsible for long-term operation and maintenance of the project?

Unknown at this time. A decision of ownership and operations and maintenance will be based upon site specifics and partnership interest. At this time, the preferred method will be to leave the majority of property ownership with a private third party. Alternatively, a public-private partnership could occur as necessary to meet project objectives and allow of possible public access.

Have operation and maintenance costs been identified? Yes ☐ No X

If yes, please describe:

Summarize these costs on an annual basis below:

Are measurement devices other than diversion source meters necessary to monitor compliance with the project intent or plan? Yes ☐ No ☐
If yes, please describe:

To be identified during grant implementation

Does a water measurement device exist on the source and downstream of the proposed project?
☐ yes ☐ no To be identified during grant implementation

If no, will a water measurement device be installed as part of this project? Yes X No ☐
If yes, describe location and operating entity: Unknown at this time

If yes, provide the river mile:

What is the nearest stream gage downstream of the proposed project? Source name

To be identified during grant implementation

River mile :

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8. Proponent's Readiness to Proceed

Describe status of feasibility reports, engineering design, and permits. Provide documentation for these deliverables and describe the project effort timeline as appropriate (submit two (2) copies of all required documents).

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Does the project proponent own the land for the proposed project? If not, does the proponent have documented access to the right of way or owns an easement to the property proposed (please attach appropriate documentation including title report as applicable).

Unsure at this time. Some may be already publicly owned land. The second task in this project will be to develop, negotiate, and execute land access or easement/purchase arrangements. The project will pursue a range of land access arrangements by leveraging funds to maximize project benefit. Land access arrangements may include payment for conservation easements, restoration partnerships with willing land owners, restoration partnerships with current publicly owned land, partnerships with land developer seeking wetland mitigation credits, purchase through existing programs such as Conservation Futures or other government programs, or use of grant funds for land purchase.

Design/Engineering Status: None started

Pre-planning (pre - permitting)	☐	Status:
Pre-design (design reports) (10%)	☐	Status:
Schematic design (30%)	☐	Status:
Design development (75%)	☐	Status:
Construction documents (95%)	☐	Status:

Bid documents (ready for bid)	☐	Status:

Permit Status: None started

SEPA	☐	Status:
401	☐	Status:
Dept. of Fish and Wildlife consultation	☐	Status:
Storage and/or Secondary Use Permit	☐	Status:
Other: (_____)	☐	Status:
Other:(_____)	☐	Status:
Other: (_____)	☐	Status:

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9. Signatures (send this sheet electronically and by original signature in surface mail)

I certify that the information above is true and accurate to the best of my knowledge.

I understand that in order to process my application, I am hereby granting staff from the Department of Ecology access to the above site(s) for inspection and monitoring purposes.

If assisted in the preparation of the above application, I understand that all responsibility for the accuracy of the information rests with me.

I also understand that I may rescind this application at any time prior to signing the Agreement with no other obligations or requirements.

Robert C Lindsay — 12/31/08
(Applicant/ Grant Recipient) (Date)

Not applicable — ____/____/____
(Water Right Holder) (Date)

Not applicable — ____/____/____
(Land Owner(s) of Existing Place of Use) (Date)

For More Information Contact:

Dave Burdick
Voice: (360) 407-6094
Email: dbur461@ecy.wa.gov
Web: http://www.ecy.wa.gov/watershed/Index.html

If you need this document in an alternate format, please call the Water Resources Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.